# CALL FOR PAPERS

## The 8th GEOTECHNICAL, GEOPHYSICAL, AND GEOENVIRONMENTAL TECHNOLOGY TRANSFER CONFERENCE AND EXPO ($Geo^3T^2$)

Hosted by: NCDOT Geotechnical Engineering Unit
Date: April 9 – 10, 2015

We invite you to submit abstracts (paper submission is optional) for the upcoming 8th $Geo^3T^2$ Conference in 2015. Abstracts/papers are invited on the topics of:

- Subsurface Exploration
- LRFD Design Issues
- Nondestructive Testing of Deep Foundations
- Shallow & Deep Foundations, including big piles
- Soil Improvement
- Reinforced Slope / Rock Slopes
- Slope Stabilization
- Retaining Walls
- Geophysical Engineering
- Geoenvironmental Engineering
- Geopavement Engineering

**Important Dates:**

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| January 26, 2015 | Abstract Submittal Deadline |
| February 9, 2015 | Notification of Acceptance & Publishing Preliminary Program |
| March 9, 2015 | Paper Submittal Deadline (optional) & Publishing Final Program |
| March 23, 2015 | PowerPoint Presentation Submittal Deadline |

**Important Information:**

- Abstract and Paper: Author's abstract (and paper, if submitted) will be included in the conference manual.
- PowerPoint Presentation: Author's PowerPoint presentation material will be converted to pdf format and posted on the conference website after the conference. If you do not want your presentation materials posted, please state "Do Not Post This Presentation."
- Registration: This conference is self-sustained; all authors must complete registration to attend the conference.

Please send abstracts/papers/PowerPoint presentations by email to:

- Email: geo3t2@ncdot.gov
- with a Subject: Geo3T2 Abstract (or Paper or PowerPoint Presentation)

For more details please visit conference website:

- http://www.ncdot.gov/~geo3t2

If you have any questions please contact:

- Conference Contact Us Email: geo2t2@ncdot.gov, or

- Chris Chen (P: 919-707-6876, cchen@ncdot.gov), or
- Scott Hidden (P: 919-707-6856, shidden@ncdot.gov)
- Address: NCDOT Geotechnical Engineering Unit
  1020 Birch Ridge Drive, Raleigh, NC 27610

## ABSTRACT/PAPER SUBMISSION GUIDELINES

Abstract length should be limited to 200 to 400 words (paper length should be limited to 5,000 words), single spaced, 12-point Times New Roman font type, left justified, 1 inch margin (top, bottom, left, and right), without figures or photos, in Microsoft WORD DOC format (2010 or earlier).

The abstract should include:

- Title of paper
- Author's names
- Affiliations of all authors
- Contact information (address, phone numbers, fax numbers, and emails)

## SAMPLE ABSTRACT FORMAT

**Title of Paper**

First Author's Name
Affiliation
Address
Phone number (xxx) xxx-xxxx
Email address

Second Author's Name
Affiliation
Address
Phone number (xxx) xxx-xxxx
Email address

## ABSTRACT

Timber piles are widely used for supporting bridges, piers, wharves, and other marine structures. As they age, it becomes critical that their in situ condition be assessed so their remaining service life can be evaluated. Current inspection methods involving visual examinations and sounding tests are unable to quantitatively disclose a pile's degree of deterioration, depth of penetration, or remaining load-bearing capacity. Years of exposure to wood-decomposing fungi and weathering may have substantially decreased a pile's effective cross-sectional area, so that the pile can no longer function as originally intended. A study was conducted in which nondestructive dispersive wave propagation tests were applied to both laboratory pile models and field timber piles. …